

We Claim:

1. A composition useful for forming a reinforcing body, said composition comprising:

from about 20-30% by weight of an SBS block co-polymer;
from about 5-20% by weight polystyrene;
from about 0.5-5% by weight of a rubber; and
from about 30-45% by weight of an epoxy resin.

2. The composition of claim 1, said composition further comprising from about 0.5-5% by weight of a pigment.

3. The composition of claim 1, said composition further comprising from about 1-10% by weight hydrated amorphous silica.

4. The composition of claim 1, said composition further comprising from about 10-20% glass microspheres.

5. The composite of claim 1, said composition further comprising from about 0.1-5% by weight of a blowing agent.

6. The composition of claim 1, said composition further comprising from about 0.1-5% by weight of a catalyst.

7. The composition of claim 1, said composition further comprising from about 0.1-5% by weight of a curing agent.

8. The composition of claim 1, said composition further comprising a compound for lowering the blowing temperature of the composition.

9. The composition of claim 1, wherein said rubber is a nitrile-butadiene rubber and said epoxy resin is a bisphenol A-based liquid epoxy resin, and said composition further comprises:

from about 0.5-5% by weight of a pigment;
from about 1-10% by weight hydrated amorphous silica;
from about 10-20% by weight glass microspheres;
from about 0.1-5% by weight of a blowing agent;
from about 0.1-5% by weight of a catalyst;
from about 0.1-5% by weight of a curing agent; and
up to about 5% by weight of a compound for lowering the blowing
temperature of the composition.

10. The composition of claim 9, wherein said pigment comprises carbon black, said blowing agent comprises azodicarbonamide, said catalyst comprises N,N-dimethyl phenyl urea, said curing agent comprises dicyandiamide, and said compound for lowering the blowing temperature comprises zinc oxide.

11. A composition useful for forming a reinforcing body, said composition comprising:

from about 20-30% by weight of an SBS block co-polymer;
from about 5-20% by weight polystyrene;
from about 0.5-5% by weight of a rubber; and
from about 30-45% by weight of an epoxy resin,

wherein said composition has a percent expansion of from about 80-220% after heating thereof to a temperature of at least about 300°F.

12. A composition useful for forming a reinforcing body, said composition comprising:

from about 20-30% by weight of an SBS block co-polymer;
from about 5-20% by weight polystyrene;
from about 0.5-5% by weight of a rubber; and
from about 30-45% by weight of an epoxy resin,

wherein said composition has a compressive strength of at least about 1400 psi upon being expanded by heating to a temperature of at least about 300°F.

13. A composition useful for forming a reinforcing body, said composition comprising:

from about 20-30% by weight of an SBS block co-polymer;

from about 5-20% by weight polystyrene;

from about 0.5-5% by weight of a rubber; and

from about 30-45% by weight of an epoxy resin,

wherein said composition has a compressive strength of at least about 1400 psi
and a percent expansion of from about 80-220% upon being expanded
by heating to a temperature of at least about 300°F.

14. The composition of claim 13, said composition further comprising from about 0.5-5% by weight of a pigment.

15. The composition of claim 13, said composition further comprising from about 1-10% by weight hydrated amorphous silica.

16. The composition of claim 13, said composition further comprising from about 10-20% glass microspheres.

17. The composite of claim 13, said composition further comprising from about 0.1-5% by weight of a blowing agent.

18. The composition of claim 13 said composition further comprising from about 0.1-5% by weight of a catalyst.

19. The composition of claim 13, said composition further comprising from about 0.1-5% by weight of a curing agent.

20. The composition of claim 13, said composition further comprising a compound for lowering the blowing temperature of the composition.

21. The composition of claim 13, wherein said rubber is a nitrile-butadiene rubber and said epoxy resin is a bisphenol A-based liquid epoxy resin, and said composition further comprises:

5 from about 0.5-5% by weight of a pigment;
from about 1-10% by weight hydrated amorphous silica;
from about 10-20% by weight glass microspheres;
from about 0.1-5% by weight of a blowing agent;
from about 0.1-5% by weight of a catalyst;
from about 0.1-5% by weight of a curing agent; and
10 up to about 5% by weight of a compound for lowering the blowing
temperature of the composition.

22. The composition of claim 21, wherein said pigment comprises carbon
black, said blowing agent comprises azodicarbonamide, said catalyst comprises N,N-
15 dimethyl phenyl urea, said curing agent comprises dicyandiamide, and said compound
for lowering the blowing temperature comprises zinc oxide.